

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/622,206

Source: PCT 09

Date Processed by STIC: 1/11/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/622,206

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----|---|--|
| 1 | Wrapped Nucleic | The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 2 | Wrapped Aminos | The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping". |
| 3 | Incorrect Line Length | The rules require that a line not exceed 72 characters in length. This includes spaces. |
| 4 | Misaligned Amino Acid Numbering | The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers. |
| 5 | Non-ASCII | This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed. |
| 6 | Variable Length | Sequence(s) ____ contain n's or Xaa's which represent more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing. |
| 7 | PatentIn ver. 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 8 | Skipped Sequences (OLD RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9 | Skipped Sequences (NEW RULES) | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 10 | Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 11 | Use of <213>Organism (NEW RULES) | Sequence(s) ____ are missing this mandatory field or its response. |
| 12 | Use of <220>Feature (NEW RULES) | Sequence(s) ____ are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules) |
| 13 | PatentIn ver. 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk. |

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001
TIME: 17:19:13

Input Set: A:\400683seqlist.txt
Output Set: N:\CRF3\01112001\I622206.raw

4 <110> APPLICANT: Laboratory of Molecular Biophotonics
 6 <120> TITLE OF INVENTION: Method for quantitatively detecting antigen
 8 <130> FILE REFERENCE: P200-0008-00
 10 <140> CURRENT APPLICATION NUMBER: US/09/622,206
 11 <141> CURRENT FILING DATE: 2000-08-14
 13 <160> NUMBER OF SEQ ID NO'S: 13
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 23
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Artificial Sequence
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Primer
 25 <400> SEQUENCE: 1
 26 saggttsmact tgcagsgatc wgg 23
 26 <210> SEQ ID NO: 2
 30 <211> LENGTH: 34
 31 <212> TYPE: DNA
 32 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: Primer
 37 <400> SEQUENCE: 2
 38 gcttttccatca ttatccaaaccc atatccatggg caca 34
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 32
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Primer
 49 <400> SEQUENCE: 3
 50 ccagwttsyga gtcswhtnts adtcaagnmdy ch 32
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 21
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Primer
 61 <400> SEQUENCE: 4
 62 acatcttattc ctgttgtaaage t 24
 65 <210> SEQ ID NO: 5
 66 <211> LENGTH: 23
 67 <212> TYPE: DNA
 68 <213> ORGANISM: Artificial Sequence
 70 <220> FEATURE:
 71 <223> OTHER INFORMATION: Primer
 73 <400> SEQUENCE: 5
 74 saggttsmact tgcagsgatc wgg 23

*Does Not Comply
Corrected Diskette Needed*

see item 10 on Exam Summary Sheet

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/622,206 TIME: 17:19:13

Input Set : A:\400683seqlist.txt
Output Set: N:\CRF3\01112001\1622206.raw

RAW SEQUENCE LISTING DATE: 01/11/2001
PATENT APPLICATION: US/09/622,206 TIME: 17:19:13

Input Set : A:\400683seqlist.txt
Output Set : N:\CRF3\01112001\I622206.raw

148 1 5 10 15
 150 Ala Gin Thr Asn Ser Met Val Thr Leu Gly Cys Leu Val Lys Glu Tyr
 151 30 25 30
 153 Phe Pro Glu Pro Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser
 154 35 40 45
 156 Glu Val His Thr Phe Pro Ala Val Leu Glu Ser Asp Leu Tyr Thr Leu
 157 50 55 60
 159 Ser Ser Ser Val Thr Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val
 160 65 70 75 80
 162 Thr Cys Asn Val Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys
 163 85 90 95
 165 Ile Val Pro Arg Asp Cys Gly Cys Ser Arg
 166 100 105
 169 <210> SEQ ID NO: 11
 170 <211> LENGTH: 66
 171 <212> TYPE: DNA
 172 <213> ORGANISM: Artificial Sequence
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: Primer
 177 <400> SEQUENCE: 11
 178 qttatccggc cccggaaaccg gatcttcatttq qtcgcacttgg ttcgtatccatgt ctggaaaggac 69
 179 qtgcacacte attcgttggc aagtc
 180 <210> SEQ ID NO: 12
 181 <211> LENGTH: 121
 181 <212> TYPE: PRT
 185 <213> ORGANISM: Mouse
 187 <400> SEQUENCE: 12
 188 Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Glu
 189 1 5 10 15
 191 Leu Thr Ser Glu Glu Ala Ser Val Val Val Cys Phe Leu Asn Asn Thr Tyr
 192 20 25 30
 194 Pro Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Glu Ser Glu Arg Glu
 195 35 40 45
 197 Asn Glu Val Leu Asn Ser Trp Thr Asp Glu Asp Ser Lys Asp Ser Thr
 198 50 55 60
 200 Tyr Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg
 201 65 70 75 80
 203 His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro
 204 85 90 95
 206 Ile Thr Lys Ser Phe Asn Arg Asn Glu Cys Ser Arg Pro Ser Arg Pro
 207 100 105 110
 209 Ser Arg Pro Ser Arg Pro Ser Arg Pro
 210 115 120
 213 <210> SEQ ID NO: 13
 214 <211> LENGTH: 106
 215 <212> TYPE: PRT
 216 <213> ORGANISM: Mouse
 218 <400> SEQUENCE: 13
 219 Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Glu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/622,206

DATE: 01/11/2001
TIME: 17:19:13

Input Set : A:\400683seqlist.txt
Output Set: N:\CRF3\01112001\1622206.raw

220 1 5 10 15
221 Leu Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr
222 10 20 25 30
223 Pro Lys Asp Ile Asn Val Lys Ile Asp Gly Ser Glu Arg Glu
224 15 20 25 30
225 Asn Gly Val Leu Asn Ser Ile Thr Asp Gln Asp Ser Cys Asp Ser Thr
226 30 35 40 45
227 Tyr Ser Ser Ser Ser Thr Leu Thr Leu Thr Cys Asp Glu Tyr Gln Arg
228 45 50 55 60
229 His Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro
230 55 60 65 70
231 Ile Thr Lys Ser Phe Asn Arg Asn Glu Cys
232 65 70 75 80
233 75 80 85 90
234 85 90 95 100
235 90 95 100 105
236 100 105 110
237 110 115 120 125
238 125 130 135 140
239 130 135 140 145
240 135 140 145 150
241 140 145 150 155
242 145 150 155 160

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/622,206 DATE: 01/11/2001
TIME: 17:19:14

Input Set : A:\400683seqlist.txt
Output Set: N:\CRF3\01112001\1622206.raw

L:10 M:270 C: Current Application Number differs; Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs; replaced Current Filing Date
L:50 M:258 W: Mandatory Feature missing; <221> not found for SEQ ID#;3
L:50 M:258 W: Mandatory Feature missing; <221> not found for SEQ ID#;3
L:50 M:540 W: (46) "n" or "Xaa" used; Feature required; for SEQ ID#;3